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It is hoped that the results of this second period of work will form a valuable contribution to the Sidereal Problem, for the region of the sky not visible from the northern observatories.

Mr. MILLS's continued interest in this branch of astronomy is a most encouraging factor in the prosecution of the work.

W. W. CAMPBELL.

THE PERSONNEL OF THE CROCKER ECLIPSE EXPEDITION FROM THE LICK OBSERVATORY.

It is expected that the three eclipse expeditions provided for by the generosity of Mr. Wm. H. Crocker will be located respectively in the immediate vicinity of Cartwright, Sandwich Bay, Labrador; in the Daroca-Ateca-Almazan region of northeastern Spain; and at Assuan, Egypt.

The Labrador expedition will be in charge of Acting Astronomer Heber D. Curtis, whose chief assistant will be Professor Joel Stebbins, of the Astronomical Department of the University of Illinois. Dr. Stebbins was a fellow in the Lick Observatory during the years 1902-1904. Mrs. Curtis and Mrs. Stebbins will accompany the expedition. Dr. Wilfred T. Grenfell, whose unselfish work as a practical missionary on the Labrador coast is widely and favorably known, has promised to bring his ship to the eclipse path two or three days before the date of the eclipse, in order that he and three or four of his scientific staff may assist Dr. Curtis in the observations.

The Spanish expedition will be in charge of Director Campbell, who will be accompanied by Astronomer Perrine. In this connection I take pleasure in saying that Professor Perrine's work on the expedition will be rather in the capacity of associate than assistant, a status to which his successful work at the Sumatra eclipse entitles him. Mrs. Campbell and Mrs. Perrine will accompany the expedition. Professor Thomas E. McKinney, formerly a graduate student in the University of Chicago, and now Professor of Mathematics and Astronomy in Marietta College, Ohio, will be with the expedition in the capacity of assistant. It is hoped that many astronomers and physicists of this country and Europe will join the expedition in eclipse week to take part in the observations.

The Egyptian expedition will be in charge of Astronomer Hussey, who will be assisted by Professor Robert H. West, formerly a student of Professor Young in Princeton University and now Director of The Observatory, Syrian Protestant College, Beirut, Syria. Mrs. Hussey will accompany the expedition. Captain H. G. Lyons, R. E., Director-General of the Survey Department, Egypt, has most kindly arranged for the coming of several gentlemen to Professor's Hussey's station during eclipse week to take part in the observing programme.

In making preliminary arrangements for these expeditions invaluable assistance has been rendered by government officials in Newfoundland, in Spain, and in Egypt. Full acknowledgment of this help will be made later.

The members of the Egyptian expedition sail from New York on June 15th, of the Spanish expedition on July 6th, and of the Labrador expedition on July 8th. It is planned that the Labrador and Spanish stations shall be reached about July 23d, and the Egyptian station about August 8th. The constant clear weather expected at the latter station should permit the rapid and continuous work of mounting, adjusting, and testing the apparatus.

The general scientific plans of the expedition were published nearly a year ago in this journal. The instrumental equipment will have been completed in the Lick Observatory shops about June 1st, quite strictly in accordance with the original programme,—in a considerable measure due to the kindness of other institutions in loaning valuable pieces of apparatus. These loans will be fully acknowledged later. The equipment will leave Mt. Hamilton on June 5th for railway shipment to New York, and thence by steamer to the three countries.

During the absence of Director CAMPBELL the Lick Observatory will be in charge of Astronomer Tucker, who has been appointed Acting Director by the Board of Regents of the University of California for this period.

W. W. CAMPBELL.

## COMET a 1905 (GIACOBINI).

The first comet of the year 1905 was discovered by GIACO-BINI on the 26th of March. Telegrams from the Lick and